



Applicant(s):  
Serial No.:  
For:

Scott W. VAN ARSDELL, *et al.*  
08/914,332  
**OVERCOMING DAPA AMINOTRANSFERASE  
BOTTLENECKS IN BIOTIN VITAMERS  
BIOSYNTHESIS**

297

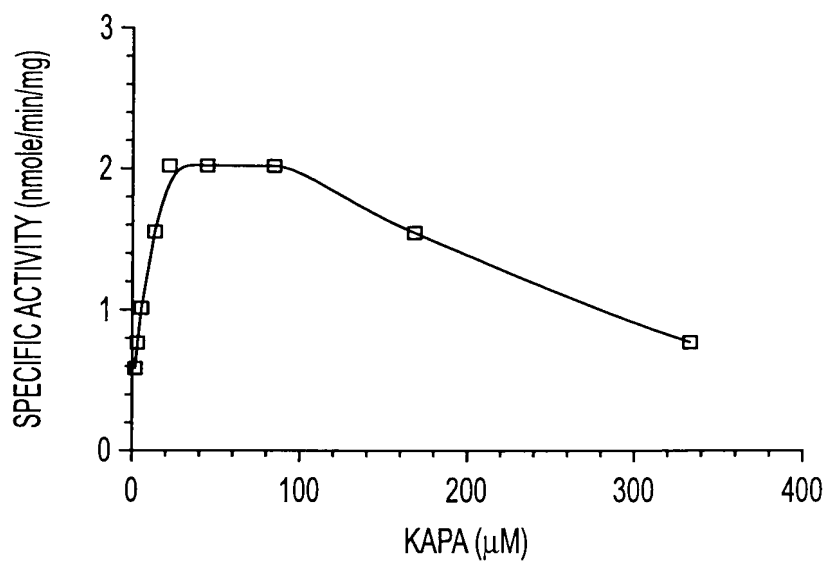


FIG. 1



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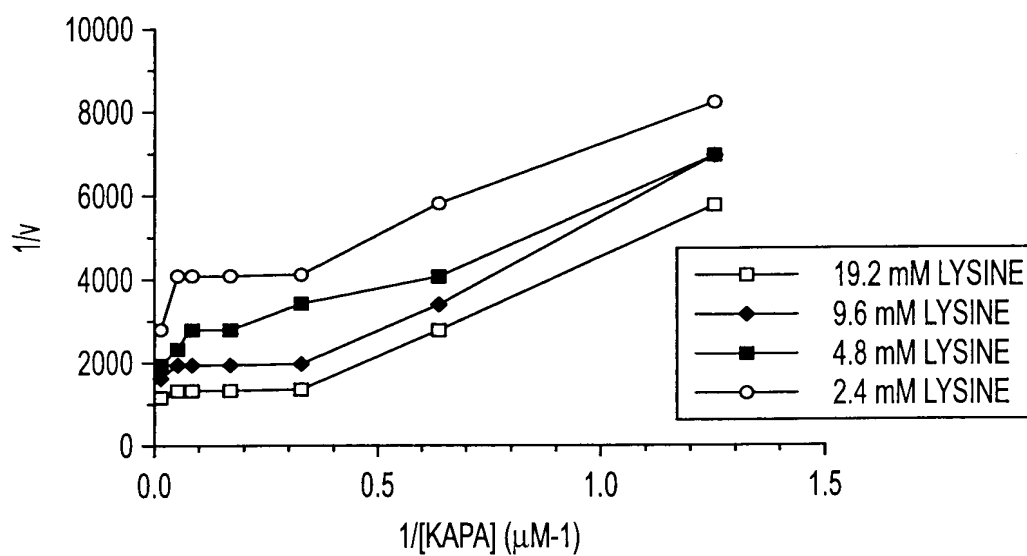
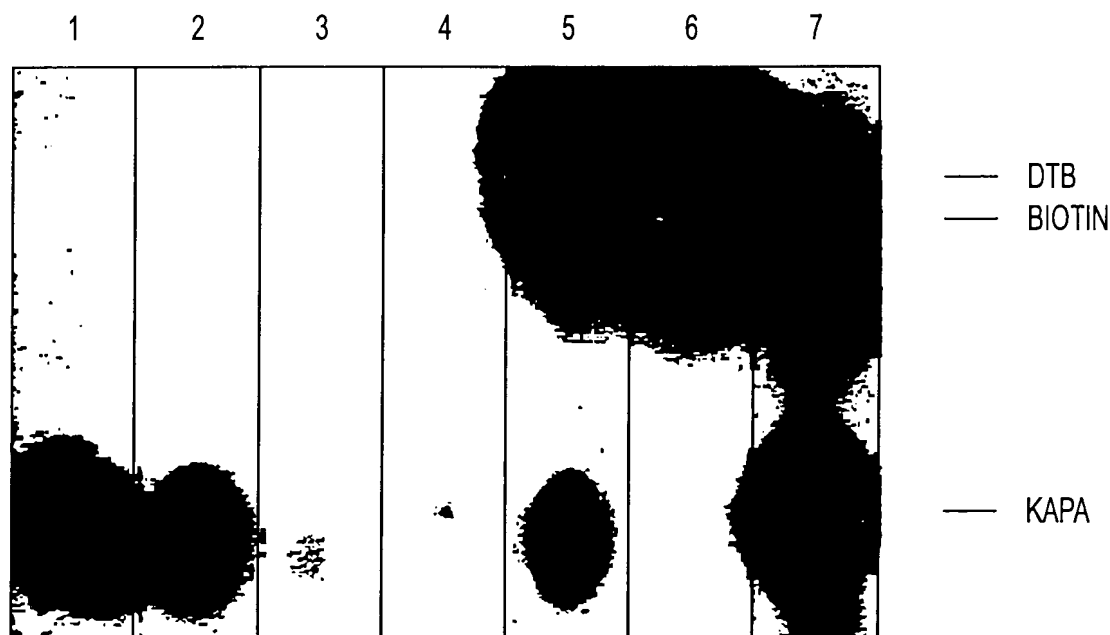


FIG. 2



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<u>LANE</u>	<u>SAMPLE (ACID UNAUTOCLAVED)</u>	<u>AMOUNT</u>
1	KAPA - 0.33 mM/63 mg/L	1 $\mu$ l
2	KAPA - 0.13 mM/25 mg/L	1 $\mu$ l
3	KAPA - 0.07 mM/12 mg/L	1 $\mu$ l
4	KAPA - 0.03 mM/6 mg/L	1 $\mu$ l
5	B167 - 30 hr	1 $\mu$ l - 1/10 dil.
6	B168 - 30 hr	1 $\mu$ l - 1/10 dil.
7	B166 - 30 hr	1 $\mu$ l - 1/5 dil.

A DAPA SPOT NOT SHOWN

FIG. 3



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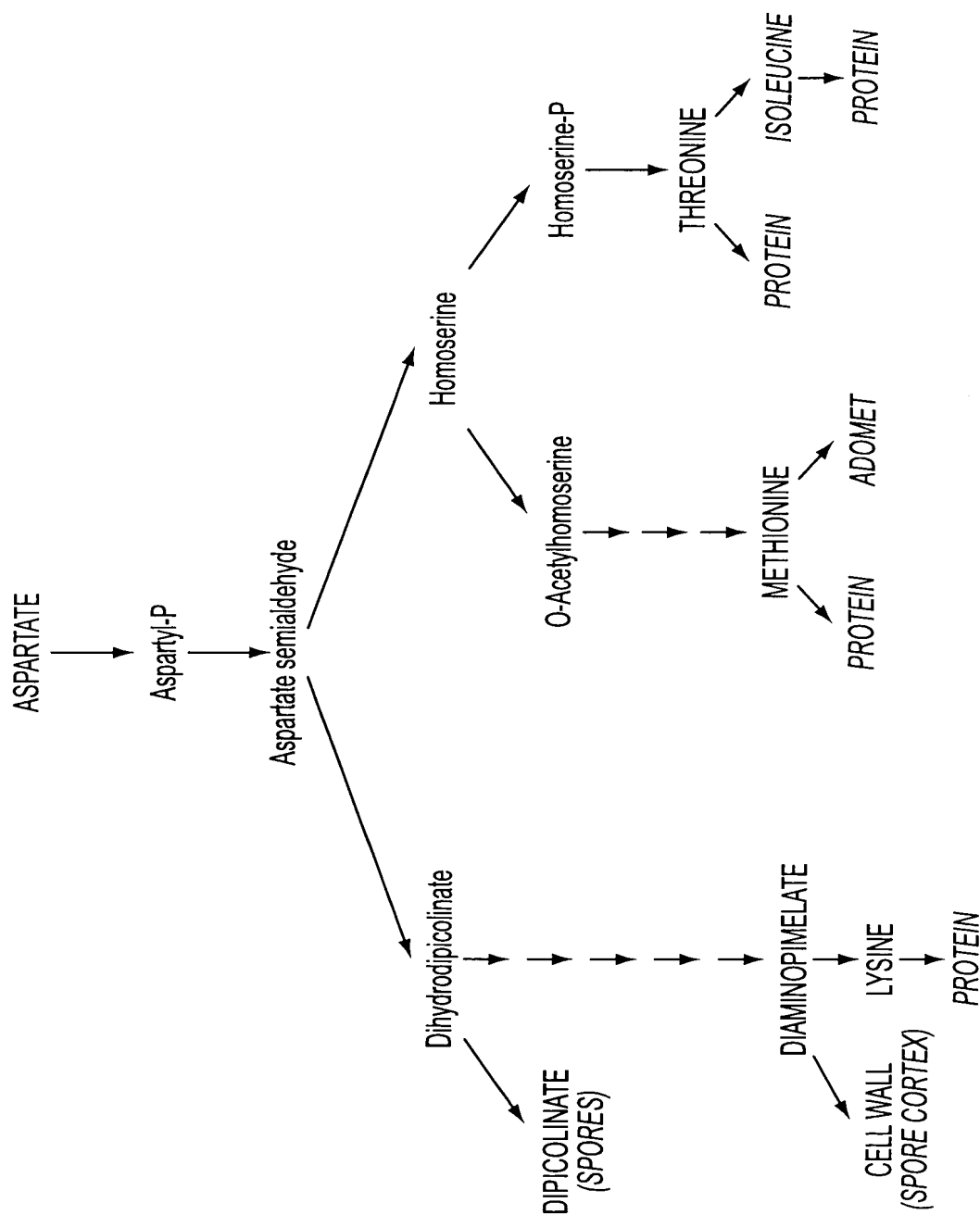


FIG. 4